



BIOGRAPHY



UNITED STATES AIR FORCE

DR. DAVID M. JEROME

Dr. David M. Jerome is Executive Director, Arnold Engineering Development Center, Air Force Materiel Command, Arnold Air Force Base, Tenn. He assists the center commander in overseeing the largest and most advanced complex of flight simulation test facilities in the world. The center's test complex, worth more than \$7.6 billion, is comprised of 58 aerospace test facilities located at Arnold Air Force Base, as well as the geographically-separated Hypervelocity Tunnel 9 in White Oak, Md. These test facilities simulate flight from subsonic to hypersonic speeds, and at altitudes from sea level to space. All NASA manned spacecraft and every high performance aircraft, missile, space launch system, and most military satellites in use by the Department of Defense have been tested in the center's facilities.

Prior to his current assignment, Dr. Jerome was Special Assistant to the Director, Directorate of Engineering and Acquisition Excellence, Air Armament Center, Eglin Air Force Base, Fla. He helped ensure the quality and effectiveness of engineering, logistics, and program management support provided to all weapon systems developed and acquired by the center. He also helped assure the proper allocation of personnel and engineering tools to the program offices to ensure sound systems engineering.



Dr. Jerome was also Principal Deputy Director, Systems and Test Resources, Operational Test and Evaluation, Office of the Secretary of Defense, Washington, D.C. In this role, he assisted the director, a Presidential appointee confirmed by the Senate, in prescribing policies and procedures for determining the operations and composition of the test and evaluation infrastructure within the Department of Defense, to include the Major Range and Test Facility Base, which has a replacement value exceeding \$30B. He participated in the formulation, development, advocacy, and oversight of policies of the Secretary of Defense, and in the development and implementation of test and test resource programs. He also supported the director in the planning, conduct, evaluation, and Congressional reporting of operational and live fire testing, and served as the Director's Principal Staff Specialist for all 2005 Base Realignment and Closure activities.

Dr. Jerome also served 2 years as Director and Technical Director of the Munitions Test Division, 46th Test Wing, Air Armament Center, Eglin Air Force Base, Fla. In these roles, he was responsible for providing credible test and evaluation of air armament systems, and served as the Air Force focal point for all acquisition programs under live fire test and evaluation oversight.

Dr. Jerome began his career in government service as a mechanical engineer in the Air Force Armament Laboratory in 1981, where he conducted research and development in hard target defeat with conventional penetrating munitions. He subsequently served in positions of increasing responsibility within the Air Force Research Laboratory Munitions Directorate, including engineering technical advisor, branch chief, and lead scientist and core competency leader for all unitary warhead technology development.

The Ohio native is the author of more than 30 scientific publications and 3 inventions, and is a member of the editorial review staff for 3 scientific journals. He also holds an adjunct faculty appointment with the University of Florida, where he teaches graduate-level courses in engineering.

EDUCATION:

1975 Bachelor of science degree in agriculture, Ohio State University
1981 Bachelor of science degree in mechanical engineering, Ohio State University
1987 Master of science degree in engineering mechanics, University of Florida
1996 Doctor of philosophy degree in engineering mechanics, University of Florida
2004 Leadership for a democratic society, Federal Executive Institute, Charlottesville, Va.
2005 Master of science degree in national resource strategy, National Defense University

ASSIGNMENTS:

1. September 1981-April 1989, mechanical engineer, Vulnerability Assessment Branch, Air Force Armament Laboratory, Eglin Air Force Base, Fla.
2. April 1989-April 1992, section chief, Technology Assessment Branch, Wright Laboratory Armament Directorate, Eglin Air Force Base, Fla.
3. April 1992-December 1995, engineering technical advisor, Lethality and Vulnerability Branch, Wright Laboratory Armament Directorate, Eglin Air Force Base, Fla.
4. December 1995-February 1997, chief, Lethality and Vulnerability Branch, Wright Laboratory Armament Directorate, Eglin Air Force Base, Fla.
5. February 1997-April 2001, lead scientist and core competency leader for advanced unitary warhead technology, Air Force Research Laboratory Munitions Directorate, Eglin Air Force Base, Fla.
6. April 2001-June 2002, technical director, Munitions Test Division, 46th Test Wing, Air Armament Center, Eglin Air Force Base, Fla.
7. June 2002-August 2003, director, Munitions Test Division, 46th Test Wing, Air Armament Center, Eglin Air Force Base, Fla.
8. August 2003-August 2004, principal deputy director, Systems and Test Resources, Operational Test and Evaluation, Office of the Secretary of Defense, The Pentagon, Washington, D.C.
9. August 2004-June 2005, graduate student, Industrial College of the Armed Forces, National Defense University, Fort Lesley J. McNair, Washington, D.C.
10. June 2005-August 2005, special assistant to the director, Directorate of Engineering and Acquisition Excellence, Air Armament Center, Eglin Air Force Base, Fla.
11. August 2005-Present, executive director, Arnold Engineering Development Center, Arnold Air Force Base, Tenn.

MAJOR AWARDS AND DECORATIONS:

1989 Air Force Armament Laboratory Program Manager of the Year
1993 Defense Nuclear Agency Director's Award
2001 Exemplary Civilian Service Award, Department of the Air Force
2004 Award for Excellence, Office of the Secretary of Defense
3 Invention Awards, Department of the Air Force
5 Special Act or Service Awards, Department of the Air Force
3 Notable Achievement Awards, Department of the Air Force

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS:

Life Member, National Defense Industrial Association
International Test and Evaluation Association
Chairman and symposia developer, American Society of Mechanical Engineers
Directed Energy Professional Society
American Institute of Aeronautics and Astronautics
American Concrete Institute
Society for Experimental Mechanics
Pi Tau Sigma national Honorary Mechanical Engineering Fraternity

PROFESSIONAL CERTIFICATIONS:

Systems Planning, Research, Development and Engineering, Level III
Test and Evaluation, Level III

(Current as of Sept. 2005)